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RTX400-SJ™

USER'S MANUAL

Revised January 24, 2008

Features

- TrayFree™ technology! RTX400-SJ can be used without the use of trays. Simply slip in a SATA drive and shut the door. Each bay offers a lock for additional security, and shock protection for longer drive life.
- RTX400H-SJ now comes with all-metal bays and 2 LEDs for power and access.
- Connects through fast eSATA.
- Each SATA hard drive has its own data channel for maximum speed.
- Its attractive design takes up little desktop space, occupying a tiny footprint for so much storage capability (up to 4 Terabytes).
- Sturdy aluminum case provides excellent heat dissipation and rugged durability.
- RTX400-SJ also comes with a heavy duty handle allowing for easy transport.

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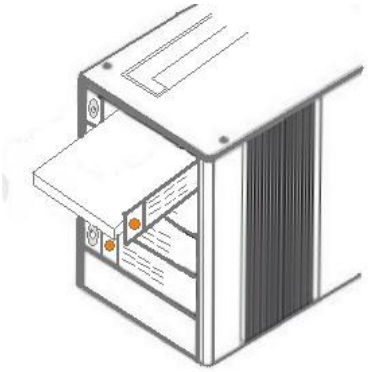
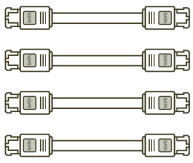
Before Installation

1. Check the accessories with your RTX400-SJ. Please contact WiebeTech if any parts are missing or damaged. The box should contain the following items:





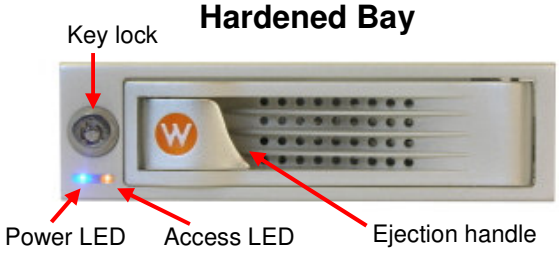
eSATA cables

Power cable

Accessories	Quantity
RTX400-SJ unit	1
eSATA cables	4
Power cord	1
Packet of screws and keys	1
Manual and Warranty Information	(on CD)

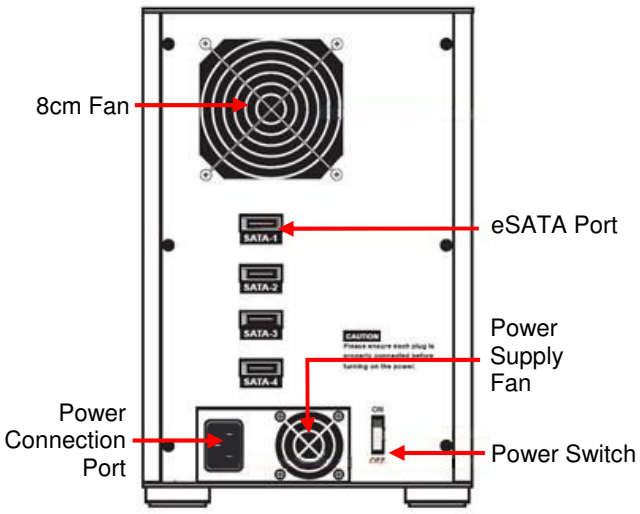
2. Take a moment to familiarize yourself with the parts of the RTX400-SJ. This will help you to better understand the remaining instructions.

Hardened Bay



Standard Bay

Rear Panel



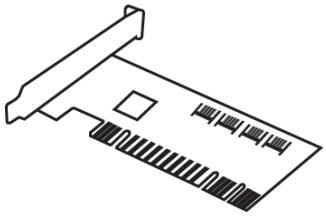
WARNING: Do not block the ventilation fan during operation. Overheating may damage the device or hard drives.

TRAYFREE BAY	ALL METAL	LOCKABLE	SCHOCK ABSORBING	TRAYFREE
BASIC BAY				✓
STANDARD BAY		✓	✓	✓
HARDENED BAY	✓	✓	✓	✓

All RTX TrayFree Bays accept 1TB SATA drives, have power and access LEDs, and connect to the host via a SATA connection.

Hardware Setup

1. (Optional) Install a host bus adapter (HBA) with 4 eSATA ports into an empty expansion slot inside your computer. If your computer already has 4 available eSATA ports, you can skip this step. Compatible HBA cards are available from WiebeTech (www.wiebetech.com). The following general steps will work for most cards. Instructions for individual cards may vary, so consult your host card's user manual.

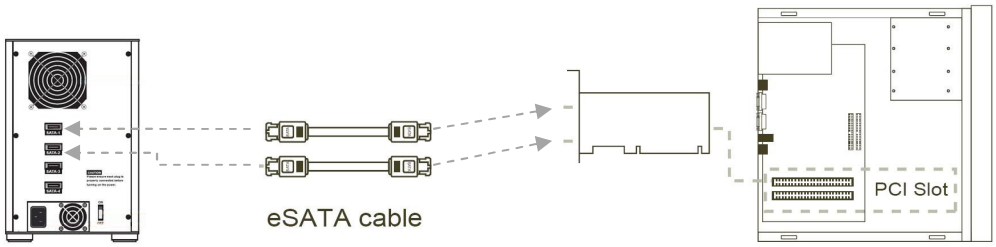


a) Power down the computer system.
b) Insert the PCI card into an available PCI slot. Do not force it, but it will take firm pressure to fully seat the interface. It may help to gently rock the card back and forth as you apply pressure.
c) Once the card is fully seated in the slot, secure it in place with a screw.
d) Turn the computer back on.
e) Install the appropriate drivers for the card. These are usually found on the CD or diskette that came with the card. The drivers for WiebeTech cards are found on the "Product Information & Manuals" CD. Browse to the folder "Product manuals & drivers → TeraCards" and then select the subfolder for your specific model.

2. Install your hard drive. Pull on the ejection handle and open the door. Then just slide in your SATA drive and shut the door behind it. For extra security for your hard drive you can lock the bay, but make sure to unlock it before pulling on the ejection handle again.

3. Plug in the eSATA cables and power cord. The RTX400-SJ connects to your computer through eSATA, an external application of Serial-ATA technology. Each drive has its own dedicated eSATA connection for maximal data speeds. Plug one end of each cable to the back of the unit. Insert the other end into an eSATA port on the computer.

Your RTX400-SJ is now ready to use! Turn on the power switch on the back of the unit. If your drives are already formatted, you can begin using them right away. New hard drives will need to be formatted before they can be used. Initially, each drive is seen as a separate drive by the computer. If you wish, you may format each drive into a separate volume and use them individually. If you have software for creating a RAID (Redundant Array of Independent Disks), you may combine the drives into a single volume for faster performance and/or data redundancy. Some operating systems, such as OS X, have this software built in.



Usage with Macintosh computers

Mounting and Ejecting Volumes

When you connect the unit to the Mac for the first time and turn on the power, you'll probably see a message saying that the disk is unreadable. This is because you must format the volume before using it. The easiest way to do this is to use Mac OS X's Disk Utility. If you plan to use the unit on both Macs and PCs, select "MS DOS File System" as the format type. If you only plan to use the unit on Macs, then select "Mac OS Extended". After the volume is formatted, an icon representing the drive volume will appear ("mount") on the desktop. You can now use the volume just like an internal hard drive.

Eject the volume before powering down the unit by dragging the volume's icon to the trash bin, or by selecting the volume then pressing Command-E. Shutting down the unit without first ejecting the volume can result in data loss.

Booting to the RTX400-SJ

Your ability to boot to the RTX400-SJ depends upon whether or not the eSATA host to which it is connected supports this feature. Many eSATA hosts do not support booting

Usage with Windows computers

Formatting Volumes

Before you can use your RTX400-SJ, you must first format the drives into a volume. Use Disk Management, which you can find by right-clicking on My Computer then selecting Manage. Select NTFS for the format type. If you wish to format FAT-32 for cross-platform compatibility, you will need to use a third-party utility to do so. Windows XP will not create FAT-32 volumes larger than 32GB.

After the volume is formatted, an icon representing the drive volume will appear in My Computer. You can now use the volume just like an internal hard drive.

Ejecting Volumes

Unlike external storage devices that connect via FireWire or USB, eSATA devices cannot usually be ejected. It is possible to disable the device using Device Manager. Freeware software utilities that automate this process may be available on the internet. Whether or not you choose to disable the device in this way, always make sure the drives are not being accessed before shutting off theRTX400-SJ. If the unit is turned off in the middle of a data input/output process, data loss may result.

Warnings and Notices

- The RTX400-SJ supports drives of various specifications and different capacities. However, we recommend using drives of the same brand and type for optimal performance. If drives of different capacities are used, the unit will consider both drives to have the same capacity as the smaller drive.
- Use only hard drives that are in perfect condition. Avoid using drives that have ever developed bad sectors during previous usage. This could lead to possible device failure or loss of data.

Technical Specifications

Product name/code:	RTX400-SJ and RTX400H-SJ
Host Interfaces:	eSATA (one connection for each drive)
Data Interface Speeds:	SATA 3.0GHz (up to 300MB/s)
Drive Types Supported:	3.5" SATA 1 or 2 hard drives up to 1TB
TrayFree™ Technology:	Yes
Shock Absorbing Bays:	Yes
Power LED:	Yes
Access LED:	Yes
Operating System Requirements:	Windows XP, Vista Mac OS X 10.2.6 or later Linux distributions using Kernel version 2.4 or above (USB only)
Operating Temperature:	50 – 85° Fahrenheit (10 – 30° Celsius)
Operating Humidity:	5% to 95%, noncondensing
Power Switch:	2 position: On / Off
Power Supply:	Input: 100-240VAC Output: 200 Watts
Cooling Fan:	8cm Ball Bearing Fan
Safety Certification:	CE/FCC
External Material:	Aluminum alloy case
Shipping Weights:	14.25 sans drives 20.25 with drives
Dimensions:	(177mm W x 270mm D x 231mm H)
Warranty:	1-year limited warranty. See warranty statement for details and limitations. WiebeTech offers free phone support for 90 days after purchase (1-866-744-8722). After 90 days, email support is available at support@wiebetech.com.

RTX400-SJ and TrayFree are trademarks of WiebeTech LLC. Other marks are the property of their respective owners.

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FCC Compliance Statement: "This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

Tested to comply with FCC standards

FOR HOME OR OFFICE USE

In the event that you experience Radio Frequency Interference, you should take the following steps to resolve the problem:

1) Ensure that your unit is plugged into a grounded electrical outlet.
2) Use a data cable with RFI reducing ferrites on each end.
3) Use a power supply with an RFI reducing ferrite approximately 5 inches from the DC plug.

If you have any questions or problems, please contact support@wiebetech.com for technical support. If you are interested in purchasing more WiebeTech products, check our website or contact sales@wiebetech.com. We appreciate being able to serve you!